



Emergency Response to Disruption of Civilian Water Supplies

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Overview of Presentation

- Accomplishments of EPA's Water Protection Task Force
- Public Health Security and Bioterrorism Preparedness and Response Act of 2002
- EPA's Homeland Security Strategic Plan





Accomplishments -"Making the Most Systems Safest the Soonest"

Developed Tools & Conducted Training

Provided Technical & Financial Assistance

Established an Information Sharing System

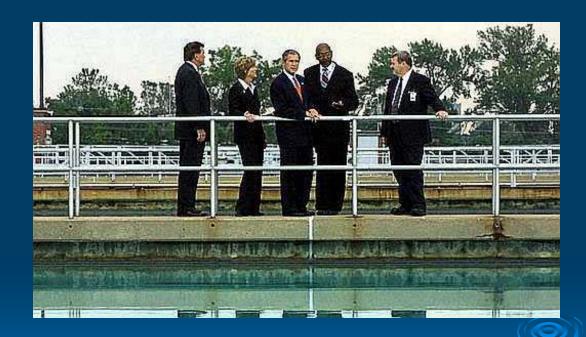
Improved our Knowledge



Public Health Security and Bioterrorism Preparedness and Response Act of 2002

- Amends SDWA
- VulnerabilityAssessments
- Emergency Response Plans





President Bush, Tom Ridge, and Christine Todd Whitman tour the Kansas City Water Treatment Plant



Implementing the Bioterrorism Act: Requirements for Utilities

- Conduct vulnerability assessment
- Develop or revise emergency response plan
- Certifications and submission to EPA.
- Phased schedule from March 2003 to June 2004 depending on size



Implementing the Bioterrorism Act: Requirements for EPA

- Baseline information regarding kinds of attacks and probable threats
 - Key components of VA
 - Determination of level of threat
 - Types of Attacks
- Guidance for systems serving less than 3,300 persons





Vulnerability Assessments: Six Key Elements

- Characterization of the system
- Identification and prioritization of adverse consequences to avoid
- Determination of critical assets
- Assessment of likelihood of attack
- Evaluation of existing countermeasures
- Analysis of risk and development of risk reduction plan



Implementing the Bioterrorism Act: Requirements for EPA

- Information Protection Protocol
- Research
 - Methods to prevent, detect and respond to contamination.
 - Methods to prevent disruption of the water supply
 - Methods of providing alternative DW supplies
- Ensure Compliance



EPA's Homeland Security Strategic Plan -- Critical Infrastructure Protection Goal 1

- Enhance Security of Water and Wastewater Utilities
 - Tools, Training and Financial Assistance
 - Research and Technology Development
 - Build Security into Ongoing Practices
 - Information Exchange on Threats and Incidents
 - Coordination with Law Enforcement, Emergency Response, Medical and Lab Sectors
 - Coordination with Interdependent Infrastructures



Challenges

- Actions to reduce risk—look for multiple benefits
 - Sound business practices—Incorporating Security into "Business as Usual"
 - System upgrades
 - Security upgrades
- Planning for emergencies—"Four P's"
 - Partner
 - Protect
 - Plan
 - Practice



For More Information...

www.epa.gov/safewater/security